



APPLICANT SYSTEM-TO-SYSTEM PILOT TEST PROCESS

Systems Integration

Version
Draft

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*This report is confidential and intended solely for the use and
information of the client to whom it is addressed.*

Objective

This document outlines the process to be followed by Pilot participating Applicant Organizations for completing integration testing of Grants.gov applicant web services. These instructions supplement the instructions contained in the GRANTS.GOV and APPLICANT SYSTEM-TO-SYSTEM INTEGRATION TEST PLAN, dated December 6, 2004. Upon successful completion of the integration plan and registration of the CA certificate, Grants.gov will provide a statement to the Applicant Organization stating that testing for this forms family has been successfully completed for the specific form families tested.

Pilot Test Process

The following sections define the expectations for initiating and completing system-to-system testing with the applicant organization and grants.gov.

Prerequisites

Applicant organizations must comply with these prerequisites before starting integration testing with Grants.gov:

- Complete initial development of applicant system.
- Produce compliant grant application XML that validates against both the strict XML validation (as defined by the W3C specifications) and grants.gov XML schemas. *Additionally, the application must comply with business rules specified in the Data Attribute Template (DAT) for the forms family (or families) being tested for certification where such DATs have been published by Grants.gov..*
- Test the applicant organization system against the provided Applicant Reference Implementation server simulation. **I think we need to elaborate on this a bit more. What do we expect?**
- The applicant organization shall conduct initial connectivity testing. Testing will be performed with the applicant system using the certificate provided in the *Applicant Reference Implementation (ARI)*. The GetApplicantList web service shall be executed for the purposes of connectivity testing. The SubmitApplication web service shall **not** be invoked at this point in the process.
- Obtain a digital certificate signed by a well-known certificate authority (CA).

Schedule Integration Testing with Grants.gov

Upon completing the prerequisites, the applicant organization shall then contact the Grants.gov PMO (Peter Brunner at 202-205-6303) to schedule integration testing. The PMO will schedule a conference call to discuss any outstanding issues or concerns and to initiate the formal test process.

Verification of Readiness

Grants.gov will verify that the applicant organization is ready for integration testing with Grants.gov by the following procedure:

- The applicant organization shall email a sample XML file generated from the applicant organization's system. Grants.gov will inspect the XML file for any potential issues.
- The applicant organization shall submit a sample grant applicant XML using the RI certificate to be verified Grants.gov.

Registering the Public CA Signed Certificate with Grants.gov

When? Before testing takes place or after? If we have them doing preliminary testing with the ARI certificate, is the signed certificate used during the test or only upon completion of the test in order to go into production?

- The applicant organization shall email a copy of the public CA signed certificate to Grants.gov
- The applicant organization shall provide any required information for registering the applicant system (TBD).
- Grants.gov will establish the system test account and contact the applicant organization to verify connectivity.

Integration Testing

The applicant organization shall complete the integration testing as defined by the applicant test plan. *Does this mean re-running the Get Application List areas or proceeding with the application submission related functions? We should specify exactly what steps we want them to pursue? As discussed, Brian will spell out the specific steps in the test plan we want them to complete.*